AL-48-802429-/

21 November 1968

Dear Doctor:

We are enclosing herewith five (5) copies of the following report (classified SECRET):

25X1

Contract [redacted]

Monthly Report - 1 October 1968 through 31 October 1968.

RRW:sjm

R. R. W.

Copy #1: WB w/encs. (AL-48-700507-1 thru 5)
2: DW w/enc. (AL-48-700507-6)

Declass Review by NGA.

This document contains
6 pages.

AL-48-700507- 001
Copy 1 of 21 copies

CONTRACT [ ]

25X1

MONTHLY REPORT

1 October through 31 October 1968

31 October 1968

SECRET

Contract [redacted] 25X1

Monthly Report

PAR 247

31 Oct 68

SUBJECT: Base Spare Parts Kit

TASK/PROBLEM

1. Provide one base spare parts kit for two [redacted] Precision Enlargers, PAR 243A. 25X1

DISCUSSION

2. The red filters were received and the fluid injection pumps were retrofitted to substitute stainless steel for teflon material.

3. The kit is now being packed, and final crating for shipment to the customer is scheduled to begin by 25 November 1968

PLANNED ACTIVITY

4. Crate and ship kit to customer prior to 15 December 1968 (task completion date).

SECRET

SECRET

Contract [redacted]

Monthly Report

25X1

PAR 248

31 Oct 68

SUBJECT: BPE High-Magnification Lens Set

TASK/PROBLEM

1. Provide one high-magnification lens set (PAR 245) to increase the magnification range of a [redacted] Precision Enlarger (PAR 243A) at the customer's facility.

25X1

DISCUSSION

2. Calibration and testing were completed, and the set is now being packed. Crating for final shipment is scheduled to be completed by 15 November 1968.

PLANNED ACTIVITY

3. Pending receipt of shipping instructions, ship the lens set on 15 November 1968.

SECRET

Contract [redacted]

25X1

Monthly Report

PAR 249
31 Oct 68

25X1 SUBJECT: [redacted] Precision Enlarger Prototype (BPE) Operational Improvements and Maintenance

TASK/PROBLEM

1. Provide photographic enlarger maintenance at the customer's
25X1 facility for one [redacted] Precision Enlarger (BPE) and three 10-20-40X Enlargers.

DISCUSSION

2. Contractor personnel visited the customer's facility during the week of 28 October 1968. The purpose of the visit was to perform the one-month preventive maintenance check on the BPE, and the two-month preventive maintenance check on the four 10-20-40X Enlargers. (See check list indicating the work performed.)

3. During the BPE maintenance check referred to above, the non-steering rollers (P/N 1-023-E-405 and -406) were found to be defective. Replacement rollers were sent by the contractor, installed, and subsequent tracking tests indicated that performance was satisfactory.

4. During the check on the four 10-20-40X Enlargers, the customer described a fluid bubble problem observed after customer personnel had ground the film plane condenser lenses (P/N AL-1160-250) to remove scratches. The customer has requested a price quotation for four of these lenses, as replacements. It was also noted during this check that the gear (P/N AL-1160-171) on the Y-coordinate counter of Enlarger S/N 123 was not pinned to the counter shaft.

PLANNED ACTIVITY

5. During the next trip to the customer's facility currently scheduled for 3 December 1968, accomplish the following:

a. Pin the Y-coordinate counter gear to the counter shaft of 10-20-40X Enlarger S/N 123.

b. Perform monthly preventive maintenance on the BPE and the four 10-20-40X Enlargers.

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PREVENTIVE MAINTENANCE SCHEDULE CHECK LIST

PAR 249

31 Oct 68

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PRECISION ENLARGER

Assigned to: B-213 Date 10/31/68 Machine Serial No.

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√	Item	Description

Daily Interval

	1	Check the four indicator lamps on the sub-control panel.
	2.1	Check closed-negative-gate interlock.
	2.2	Check interlock that causes vertical transport slow speed.
	2.3	Check interlock that disables negative transport after fluid injection.
	2.4	Check operation of microswitch that functions when manual-film-movement knob is pushed in.
	3.1	Check the indicator lamps for the two attenuator banks of the easel photometer.
	3.2	Check the meter scale illuminator lamp of the easel photometer.
	3.3	Check the antifatigue lamp in photo-multiplier tube housing.
	4	Clean the glass plates of the negative gate.

One-Week Interval

✓	1	Wipe ~~Vacuum-clean~~ the enlarger down.
✓	2	Check, and if necessary, clean the objective lenses and all glass filters.
✓	3	Wash ~~Vacuum-clean~~ the front surface of the easel.
✓	4	Check the fiber optics for broken fibers.

√	Item	Description

One-Month Interval

✓	1	Wax the steel rails of the lens ramp and of the easel.
✓	2	Install new air filter in lamphouse.
✓	3	Clean the nylon brushes of the fluid removal system.
✓	4	Check all tubing and hoses for cracks and air leakage.
✓	5	Check and, if necessary, clean the lenses of the condenser lens assemblies.

Six-Month Interval

	1.1	Make a photographic check on all six matching sets of objective and condenser lens assemblies.
	1.2	Be sure that film is tracking properly in both directions on the negative transport system.
	2	Check the timing belts of the film transport system, of the vertical drive system, and of the easel drive assembly for wear.

REMARKS:

1. Replaced Lamphouse Platen Assembly 1-023-C-330.
2. Installed Vertical Drive Limit Switches. Checked out OK.
3. Sealed all Lens Barrel Assemblies with R.T.V.
4. BPE needs washer 2-023-A-627 (item 114, Dwg. 1-023-E-002, Negative Transport System).
5. Delivered 25 bulbs for Decitrak Reader (green base).
6. Replaced non-steering rolls, 1-023-E-405 and 406.
7. Adjusted fluid pumps.

Checked by

25X1

Date 10/31/68

2/68

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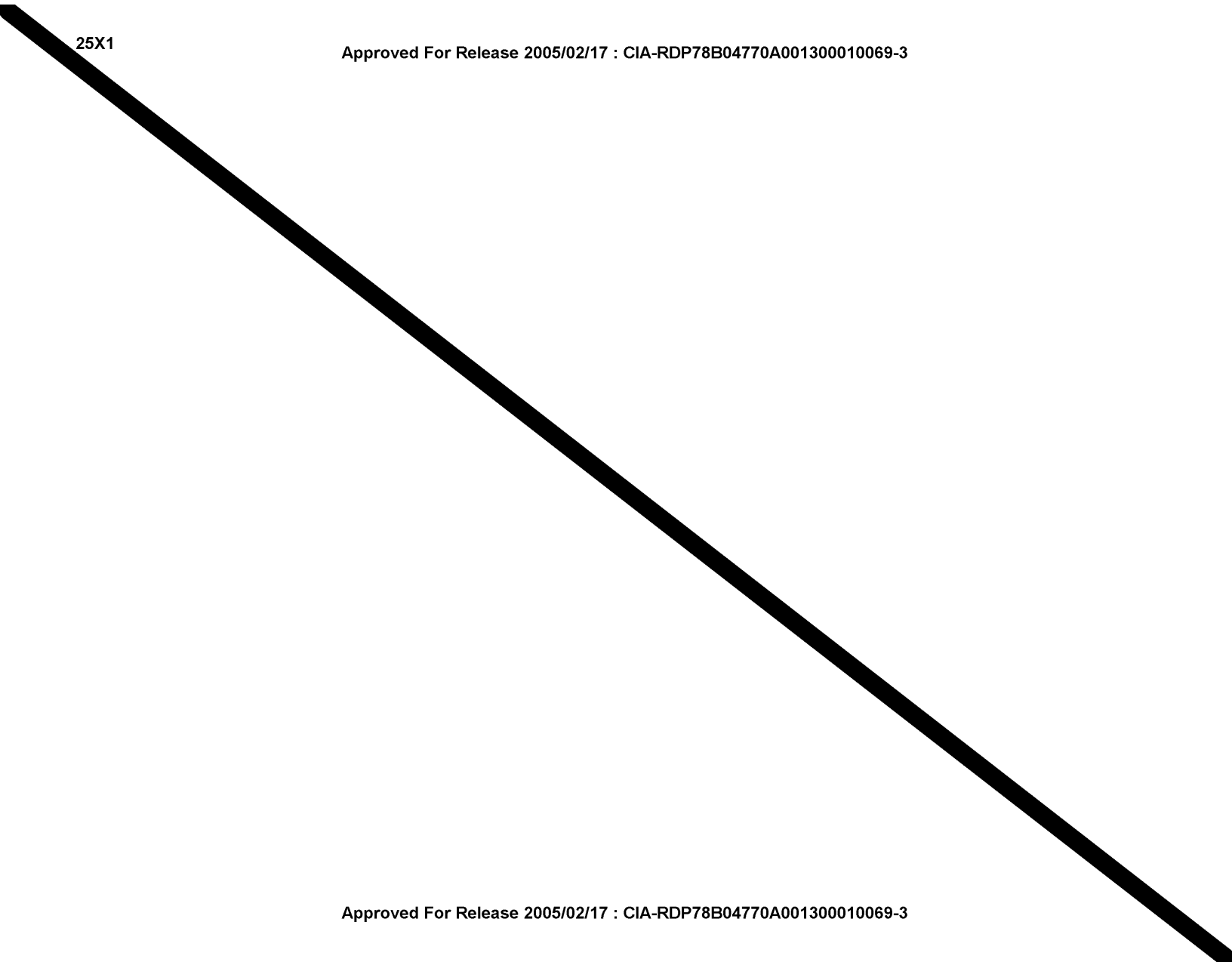

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